DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship is as stated below next to my name;

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

IMPROVED ELECTROPHYSIOLOGICAL ASSAYS USING

THE USE OF PHENAMIL	TYTES THAT EXPRESS HUMAN ENACTORY TO IMPROVE THE EFFECT OF ENACTORY MEMBRANE POTENTIAL REPORTING	ENHANCERS IN ASSAYS
the specification of which:	☐ is attached hereto. ☑ was filed on: <u>January 9, 2006</u> as United States Application No.: or PCT International Application No.:	10/563,758
	and was amended on:	(if applicable).
specification, including the above.	have reviewed and understand the cone claims, as amended by any amendr duty to disclose information which is	nent specifically referred to
	Prior Foreign Application(s)	
of any foreign application(§ 365(a) of any PCT intern	gn priority benefits under 35 U.S.C. §§ s) for patent, inventor's or plant breed at call application which designated at call listed below and have also identified	der's rights certificate(s), or least one country other than

any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed:

Application Number	Country	Date of Filing (day, month, year)	Date of Issue (day, month, year)	Priority	Claimed
PCT/US2004/021853	PCT	9 July 2004		Yes 🖂	No 🗌
				Yes	No 🗌
				Yes 🗌	No 🗌

Prior Provisional Application(s)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Number	Date of Filing (day, month, year)

Prior United States Application(s)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number	Date of Filing (day, month, year)	Status - Patented, Pending, Abandoned

And I hereby appoint, both jointly and severally, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith the Hunton & Williams LLP attorneys and agents associated with:

Customer Number 21967

All correspondence and telephone communications should be addressed to:

CUSTOMER NUMBER 21967

HUNTON & WILLIAMS LLP Intellectual Property Department 1900 K Street, N.W. Suite 1200 Washington, DC 20006-1109 (202) 955-1500 (telephone); (202) 778-2201 (facsimile)

corresponding to the law firm of Hunton & Williams LLP; Intellectual Property Department; 1900 K Street, N.W.; Suite 1200; Washington, DC 20006-1109; telephone number (202) 955-1500; facsimile number (202) 778-2201.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

NAME OF SOLE CINVENTOR:	OR FIRST		A petition has been filed	for this unsigned inventor
Signature	Jul		Date	
Given Name (first and middle (if ar	ny)) Gyy		Family Name or Surname	SERVANT
Citizenship:	Canada			
Residence:	17343 Albert Avenue, S	an Die	ego, California 92127	

Mailing Address:	sam	e as above				
NAME OF SEC	OND IN	/ENTOR:		A petition has been filed	d for this unsigned	inventor
Signature				Date		
Given Name (first and middle (i	f any))	Hong		Family Name or Surname	CHANG	
Citizenship:	USA					
Residence:	1264	7 Caminito Des	stello, San	Diego, California 9213	30	

Mailing Address:	same as above				
NAME OF THIR	D INVENTOR:		A petition has been filed	d for this unsigned invent	or
Signature			Date		
Given Name (first and middle (if	any)) Cyril		Family Name or Surname	REDCROW	
Citizenship:	Canada				
Residence:	5070 Mansfield Stre	et, San Die	ego, California 92116		

Mailing Address:	same as above				
NAME OF FOU	RTH INVENTOR:		A petition has been filed	I for this unsigned inventor	
Signature			Date		
Given Name (first and middle (i	f any)) Sumita		Family Name or Surname	RAY	
Citizenship:	USA				
Residence:	13354 Benchley Ro	oad, San Die	ego, California 92130		

Mailing Address:	same as above			
NAME OF FIFTH	I INVENTOR:		A petition has been filed	for this unsigned inventor
Signature			Date	
Given Name (first and middle (if	any)) Imran		Family Name or Surname	CLARK
Citizenship:	USA			
Residence:	6049 Paseo Carreta	, Carlsbac	d, California 92009	

Mailing Address:	same as above				
NAME OF SIXTH	INVENTOR:		A petition has been filed	for this unsigned inventor	
Signature			Date	-	
Given Name (first and middle (if	any)) Bryan		Family Name or Surname	MOYER	
Citizenship:	USA				
Residence:	12521 Spindletop Roa	ad, San I	Diego, California 92129		
Mailing Address:	same as above				

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THE USE OF PHENAMIL	YTES THAT EXPRESS HUMAN ENAC TO IMPROVE THE EFFECT OF ENAC MEMBRANE POTENTIAL REPORTIN	ENHANCERS IN ASSAYS
the specification of which:	 ☐ is attached hereto. ☑ was filed on: <u>January 9, 2006</u> as United States Application No.: 	10/563,758
	or PCT International Application No.: and was amended on:	(if applicable).
	have reviewed and understand the cor claims, as amended by any amendr	
I acknowledge the defined in 37 C.F.R. § 1.56.	duty to disclose information which is	material to patentability as
	Prior Foreign Application(s)	
		110(-) (d) or (f) or 8 06E(b)

I hereby claim foreign priority benefits under 35 U.S.C. §§ 119(a)-(d) or (f), or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below by checking the box, any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed:

Application Number	Country	Date of Filing (day, month, year)	Date of Issue (day, month, year)	Priority	Claimed
PCT/US2004/021853	PCT	9 July 2004		Yes 🔀	No 🗌
				Yes 🗌	No 🗌
				Yes 🗌	No 🗌

Prior Provisional Application(s)

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Prior United States Application(s)

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NAME OF SOLE OR FIRST			A petition has been filed	for this unsigned inventor	
Signature				Date	
Given Name (first and middle (if a	any))	Guy		Family Name or Surname	SERVANT
Citizenship:	Canad	da			
Residence: 17343 Albert Avenue, San Die			San Die	go, California 92127	

Mailing Address:

same as above

NAME OF SECOND INVENTOR A petition has been filed for this unsigned inventor Signature Date Given Name Family Name Hong (first and middle (if any)) or Surname **CHANG**

Citizenship:

USA

Residence:

12647 Caminito Destello, San Diego, California 92130

Mailing Address:	same as above				
NAME OF THIRE	O INVENTOR:		A petition has been file	d for this unsigned invento	or
Signature			Date		
Given Name (first and middle (if	any)) Cyril		Family Name or Surname	REDCROW	
Citizenship:	Canada				
Residence:	5070 Mansfield Stre	et, San Di	ego, California 92116		

Mailing Address:	same as above				
NAME OF FOUR	RTH INVENTOR:		A petition has been filed	for this unsigned inventor	
Signature			Date		
Given Name (first and middle (if	any)) Sumita		Family Name or Surname	RAY	
Citizenship:	USA				
Residence:	13354 Benchley Ro	ad, San Die	go, California 92130		

Mailing Address:	same as above				
NAME OF FIFTH	I INVENTOR:		A petition has been filed	d for this unsigned inven	ıtor
Signature			Date		
Given Name (first and middle (if	any)) Imran		Family Name or Surname	CLARK	
Citizenship:	USA				
Residence:	6049 Paseo Carreta	. Carlsbad	d. California 92009		

Mailing Address:	same as at	oove		
NAME OF SIXTH	INVENTOR:		A petition has been filed	for this unsigned inventor
Signature			Date	
Given Name (first and middle (if a	any)) Brya	n	Family Name or Surname	MOYER
Citizenship:	USA			
Residence:	12521 Spin	dletop Road, San	Diego, California 92129	
Mailing Address:	same as ab	ove		

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USING MEMBRANE POTENTIAL REPORTING DYES							
the specification of which:	☐ is attached hereto. ☑ was filed on: <u>January 9, 2006</u>						
	as United States Application No.:	10/563,758					
	or PCT International Application No.: and was amended on:	(if applicable)					
	and was amended on.	(if applicable).					
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.							
I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.							
	Prior Foreign Application(s)						

I hereby claim foreign priority benefits under 35 U.S.C. §§ 119(a)-(d) or (f), or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below by checking the box, any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed:

Application Number	Country	Date of Filing (day, month, year)	Date of Issue (day, month, year)	Priority (Claimed
PCT/US2004/021853	PCT	9 July 2004		Yes 🖂	No 🗌
				Yes 🗌	No 🗌
				Yes 🗌	No 🗌

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NAME OF SOLE OR FIRST INVENTOR:			A petition has been filed for this unsigned inventor	
Signature			Date	
Given Name (first and middle (if	any)) Guy		Family Name or Surname	SERVANT
Citizenship:	Canada			
Residence:	17343 Albert Aver	nue, San Die	ego, California 92127	

Mailing Address:	sam	e as above				
NAME OF SEC	OND IN	VENTOR:	A	a petition has been file	d for this unsigned i	nventor
Signature	*********			Date		
Given Name (first and middle (i	f any))	Hong		Family Name or Surname	CHANG	
Citizenship:	USA					
Residence:	1264	17 Caminito Des	tello, San Di	iego, California 9210	30	

Mailing Address:

same as above

NAME OF THIRD INVENTOR:

A petition has been filed for this unsigned inventor

Signature

deron

Date

21 February 2008

Given Name

(first and middle (if any))

Family Name or Surname

REDCROW

Citizenship:

Canada

Residence:

5070 Mansfield Street, San Diego, California 92116

Mailing Address:	same	as above				
NAME OF FOU	IRTH INVI	ENTOR:		A petition has been filed	I for this unsigned	l inventor
Signature				Date		
Given Name (first and middle	(if any))	Sumita		Family Name or Surname	RAY	
Citizenship:	USA					
Residence:	13354	Benchley Roa	d, San Di	ego, California 92130		

Mailing Address	s: same	e as above				
NAME OF FIF	TH INVEN	NTOR:		A petition has been filed	for this unsigned inventor	
Signature _				Date		
Given Name (first and middle	e (if any))	Imran		Family Name or Surname	CLARK	
Citizenship:	USA					
Residence:	6049	Paseo Carreta	, Carlsbac	d, California 92009		

Mailing Address:	sam	e as above				
NAME OF SIXTH	invei	NTOR:	A	petition has been filed	d for this unsigned i	nventor
Signature				Date		
Given Name (first and middle (if	any))	Bryan		Family Name or Surname	MOYER	
Citizenship:	USA					
Residence:	1252	1 Spindletop R	load, San Die	go, California 92129)	
Mailing Address:	same	e as above				

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	have reviewed and understand the cor claims, as amended by any amendr	
I acknowledge the defined in 37 C.F.R. § 1.56.	duty to disclose information which is	material to patentability as
	Prior Foreign Application(s)	
I hereby claim foreig	n priority benefits under 35 U.S.C. 88	119(a)-(d) or (f) or 8 365(b)

by claim foreign priority benefits under 35 U.S.C. §§ 119(a)-(d) or (f), or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below by checking the box, any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed:

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				Yes 🗌	No 🗌
				Yes 🗌	No 🗌

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NAME OF SOLE OR FIRST INVENTOR:			A petition has been filed for this unsigned inventor			
Signature				Date		
Given Name (first and middle (i	if any))	Guy		Family Name or Surname	SERVANT	
Citizenship:	Can	ada				
Residence:	1734	17343 Albert Avenue, San Diego, California 92127				

Mailing Address:	same as above				
NAME OF SECO	OND INVENTOR:		A petition has been filed	d for this unsigned in	nventor
Signature			Date		
Given Name (first and middle (if	any)) Hong		Family Name or Surname	CHANG	
Citizenship:	USA				
Residence:	12647 Caminito De	stello, San I	Diego, California 9213	30	

Mailing Address:	same as above				
NAME OF THIR	D INVENTOR:		A petition has been filed	for this unsigned invent	or
Signature			Date		
Given Name (first and middle (if	any)) Cyril		Family Name or Surname	REDCROW	
Citizenship:	Canada				
Residence:	5070 Mansfield Stre	et, San Dieg	go, California 92116		

Mailing Address:

same as above

NAME OF FOURTH INVENTOR:

A petition has been filed for this unsigned inventor

Date

Signature

3/3/08

Given Name

(first and middle (if any))

Sumita

Family Name or Surname

RAY

Citizenship:

USA

Residence:

13354 Benchley Road, San Diego, California 92130

Mailing Address:	same as above				
NAME OF FIFTH	I INVENTOR:		A petition has been file	d for this unsigned inven	itor
Signature		-	Date		
Given Name (first and middle (if	any)) Imran		Family Name or Surname	CLARK	
Citizenship:	USA				
Residence:	6049 Paseo Carreta	a. Carlsba	d. California 92009		

Mailing Address:	same as above				
NAME OF SIXTH INVENTOR: Signature		□ A	A petition has been filed for this unsigned inventor Date		
Given Name (first and middle (if	any)) Bryan		Family Name or Surname	MOYER	
Citizenship:	USA				
Residence:	12521 Spindletop F	Road, San Die	ego, California 92129	9	
Mailing Address:	same as above				

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				Yes 🗌	No 🗌
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Application Number	Date of Filing (day, month, year)	Status - Patented, Pending, Abandoned		
	·			
	,			

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NAME OF SOLE OR FIRST INVENTOR:			A petition has been filed for this unsigned inventor			
Signature			,	Date		
Given Name (first and middle ((if any))	Guy		Family Name or Surname	SERVANT	
Citizenship:	Can	ada				
Residence:	1734	13 Albert Ave	nue. San Die	ego, California 92127		

Mailing Address:	same as above			
NAME OF SECON	ID INVENTOR:		A petition has been filed	for this unsigned inventor
Signature			Date	
Given Name (first and middle (if a	ny)) Hong		Family Name or Surname	CHANG
Citizenship:	USA			
Residence:	12647 Caminito Destell	o, San	Diego, California 92130)

Mailing Address:	same as above			
NAME OF THIRD	INVENTOR:		A petition has been filed	for this unsigned inventor
Signature			Date	
Given Name (first and middle (if a	any)) Cyril		Family Name or Surname	REDCROW
Citizenship:	Canada			
Residence:	5070 Mansfield Stre	et, San Di	ego, California 92116	

Mailing Address:	same	as above				
NAME OF FOU	RTH INVE	ENTOR:		A petition has been filed	for this unsigned	inventor
Signature				Date		
Given Name (first and middle (i	f any))	Sumita		Family Name or Surname	RAY	
Citizenship:	USA					
Residence:	13354	Benchley Ro	ad, San Di	iego, California 92130		

Mailing Address:	same as above				
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Residence:	6049 Paseo Carre	ta, Carlsbac	d, California 92009		

Mailing Address:	same	as above				
NAME OF SIXTH	INVEN	ITOR:		A petition has been filed	for this unsigned i	nventor
Signature				Date	**************************************	
Given Name (first and middle (if a	any))	Bryan		Family Name or Surname	MOYER	
Citizenship:	USA					
Residence:	1252	1 Spindletop R	oad, San D	iego, California 92129		
Mailing Address:	same	as above				

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship is as stated below next to my name;

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

IMPROVED ELECTROPHYSIOLOGICAL ASSAYS USING **OOCYTES THAT EXPRESS HUMAN ENAC AND**

	TO IMPROVE THE EFFECT OF ENAC MEMBRANE POTENTIAL REPORTIN	
the specification of which:	☐ is attached hereto. ☑ was filed on: <u>January 9, 2006</u> as United States Application No.:	10/563,758
	or PCT International Application No.:	
	and was amended on:	(if applicable).
specification, including the above.	have reviewed and understand the core claims, as amended by any amendred duty to disclose information which is	ment specifically referred to
•	Prior Foreign Application(s)	
of any foreign application § 365(a) of any PCT intern	gn priority benefits under 35 U.S.C. §§ (s) for patent, inventor's or plant bree ational application which designated at ca, listed below and have also identified	der's rights certificate(s), or least one country other than

Application Number	Country	Date of Filing (day, month, year)	Date of Issue (day, month, year)	Priority	Claimed
PCT/US2004/021853	PCT	9 July 2004		Yes 🖂	No 🗌
				Yes 🗌	No 🗌
				Yes 🗌	No 🗌

any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority

is claimed:

Prior Provisional Application(s)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Number	Date of Filing (day, month, year)
	·

Prior United States Application(s)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number	Date of Filing (day, month, year)	Status - Patented, Pending, Abandoned	

And I hereby appoint, both jointly and severally, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith the Hunton & Williams LLP attorneys and agents associated with:

Customer Number 21967

All correspondence and telephone communications should be addressed to:

Customer Number 21967

HUNTON & WILLIAMS LLP Intellectual Property Department 1900 K Street, N.W. Suite 1200 Washington, DC 20006-1109 (202) 955-1500 (telephone); (202) 778-2201 (facsimile)

corresponding to the law firm of Hunton & Williams LLP; Intellectual Property Department; 1900 K Street, N.W.; Suite 1200; Washington, DC 20006-1109; telephone number (202) 955-1500; facsimile number (202) 778-2201.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

NAME OF SOLE OR FIRST INVENTOR:			A petition has been filed for this unsigned inventor			
Signature				Date		
Given Name (first and middle	e (if any))	Guy		Family Name or Surname	SERVANT	
Citizenship:	Can	ada				
Residence:	1734	13 Albert Ave	enue. San Die	ego, California 92127		

Mailing Address:	same as above				
NAME OF SEC	OND INVENTOR:		A petition has been filed	d for this unsigned in	ventor
Signature			Date		
Given Name (first and middle (i	f any)) Hong		Family Name or Surname	CHANG	
Citizenship:	USA				
Residence:	12647 Caminito Destello, San Diego, California 92130				

Mailing Address:	same as above				
NAME OF THIRE) INVENTOR:		A petition has been filed	I for this unsigned inven	tor
Signature			Date		
Given Name (first and middle (if	any)) Cyril		Family Name or Surname	REDCROW	
Citizenship:	Canada				
Residence:	5070 Mansfield Stre	et, San Di	ego, California 92116		

Mailing Address:	same as above				
NAME OF FOU	RTH INVENTOR:		A petition has been filed	for this unsigned inventor	
Signature			Date		
Given Name (first and middle (i	f any)) Sumita		Family Name or Surname	RAY	
Citizenship:	USA				
Residence:	13354 Benchley Road, San Diego, California 92130				

Mailing Address:	same as above				
NAME OF FIFTH	I INVENTOR:		A petition has been filed	d for this unsigned invento	or
Signature			Date		
Given Name (first and middle (if	any)) Imran		Family Name or Surname	CLARK	
Citizenship:	USA				
Residence:	6049 Paseo Carreta	a, Carlsba	d, California 92009		

Mailing Address: same as above

NAME OF SIXTH INVENTOR:

A petition has been filed for this unsigned inventor

Signature

Given Name

(first and middle (if any))

Bryan

A petition has been filed for this unsigned inventor

Date

Family Name

or Surname

MOYER

Citizenship: USA

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11774 Westview Parkway, San Diego, California 92126

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